

Abstract

The present invention relates to a process for the manufacture of paraffinic hydrocarbons, which can be used as gasoline blending components. The obtained gasoline blending component is substantially free of sulphur compounds. The process comprises simultaneous hydrogenation of olefins and degradation of sulphur compounds by hydrogenolysis. In the process a feed-stock containing as impurities sulphur compounds is hydrogenated in two steps in the presence of a noble metal catalyst on aluminium oxide support, and in the first step the major part of olefins are converted and in the secondary step the remaining olefins and sulphur compounds react.